



- Waterjet cutting



- Laying mosaic tile



- Luxury residential

Photo courtesy of Creative Edge MasterShop Inc.

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ProNest® waterjet programming helps Creative Edge Master Shop lay the groundwork for success

Industry: Concept flooring

Equipment: ProNest®

The company and products

Creative Edge Master Shop based in Iowa USA is a pioneer in the application of waterjet technology, specializing in concept flooring applications such as terrazzo, stone medallions, architectural metals and signage, and artistry in resilient design. Founded in 1984, Creative Edge introduced the great potential of the waterjet process to design professionals throughout the USA. Over the years, Creative Edge has grown in capacity, creativity, and experience. Today, they are recognized as one of the nation's leading providers of waterjet services and products.

Programming challenge

Harri Aalto, Partner and Vice President, guides the company's creative direction. Once completed, his elaborate designs are then passed to the CAD/CAM department to turn his vision into reality. After transferring all the artistic detail into CAD drawing format, the next step in the process is to import these complex files, with every detail, to a nesting software. There it is converted to NC code and sent to the shop floor where the waterjet cutting process can begin.

Always seeking ways to improve their processes as demand grew for their work, Creative Edge realized it was taking too long for them to process the CAD files into NC code. The programming system they used was tedious and very time consuming and soon it was decided that a solution to this bottleneck was needed. Creative Edge began the search for a programming software solution that would decrease programming time and maximize efficiency.

Problem solved

After extensive research of available CAD/CAM nesting software products, ProNest was the best choice to provide the programming power and technology needed to maximize their efficiency.

Plant Manager, Shep Brown commented "After reviewing several other nesting software packages, the ProNest software was clearly the right choice for Creative Edge. The package is simple to use, easy to learn, Hypertherm's technical support staff is knowledgeable and willing to adapt to our specific needs, plus the total investment in the software was far less than other packages with similar functionality. ProNest software can open an artistic CAD file and automatically section off each tile to be processed on the waterjet in a matter of minutes, an operation that used to take hours to perform. ProNest now processes jobs in 5 to 10 minutes that used to take between 30 minutes and 8 hours using our old software. An entire stone medallion can be opened in ProNest and each tile type will automatically be batch nested in one master program.

Waterjet technology at Creative Edge Master Shop has greatly benefited from the use of ProNest software. Building off the successful ProNest implementation, Creative Edge is planning even more innovative programming techniques to further utilize ProNest in the future. Productivity made easy!

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